

# Immediate Visual Detection for Leaking Bases/Caustics

## On Guard™

PATENTED • BRUSH-ON FORMULA • LATEX • LOW VOC

### BASE ALERT™ SYSTEM

Bright WHITE Paint Turns Brilliant BLUE at pH 10 and Above



Protects employees, expensive equipment and the environment

Visually detects leaks before the situation becomes catastrophic

Reverses from blue to white when leak is repaired and  
base is rinsed with tap water

Enhances on-site Safety and Hazmat programs

Helps isolate the origin of the leak

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## Use On Guard™ Base Detecting Paint On:

- Flanges
- Valves
- Pipes and Tanks
- Sample Ports
- Unloading Sites
- Laboratory Surfaces
- Seams and Weld Sites
- Storage Facilities
- Pumps
- Anywhere Accidental Leaks/Spills May Occur

## On Guard™ Base Detecting Paint Detects the Presence of:

- Sodium Hydroxide
- Potassium Hydroxide
- Calcium Hydroxide
- Lithium Hydroxide
- Concentrated Ammonia
- Rubidium Hydroxide
- Cesium Hydroxide
- Sodium Metasilicate
- Trisodium Phosphate
- Strontium Hydroxide
- Barium Hydroxide
- Other Bases pH 10 & Above

## Questions & Answers • The Basic Facts

### What is ON GUARD™ Base Detecting Paint and how does it work?

ON GUARD™ Base Detecting Paint is a latex, base/caustic detecting paint, that is formulated for industrial application. ON GUARD™ Base Detecting Paint immediately turns from BRIGHT WHITE to BRILLIANT BLUE in the presence of bases pH 10 or higher.

### What is different and unique about ON GUARD™ Base Detecting Paint?

Patented ON GUARD™ Base Detecting Paint REVERSES it's color and turns back to BRIGHT WHITE when the leak has been isolated, repaired, and flushed with water. The BRIGHT WHITE color verifies the repair and is ready to detect another leak.

### Does ON GUARD™ Base Detecting Paint have to be stripped off and reapplied after each base exposure?

NO! Simply flush with tap water or a mild acidic solution until the bright white color returns and ON GUARD™ Base Detecting Paint is ready to reveal the next leak incident. Under exceptionally harsh conditions, or if physical damage has occurred to the paint, a new application or touch up of ON GUARD™ Base Detecting Paint will be necessary.

### How is ON GUARD™ Base Detecting Paint applied?

ON GUARD™ Base Detecting Paint is designed as a brush-on formula. Apply ON GUARD™ Base Detecting Paint as you would any other quality exterior latex paint product to 4 mil dry thickness, which equates to approximately two brush coats, using a quality brush or roller. Spraying is an option. Thin with water. Allow adequate dry and cure time.

### Does a primer coat need to be applied?

It is essential to use a quality grade primer. Use a latex primer with rust inhibitor over raw metal. The surfaces need to be clean, dry, oil, rust, dust, and contamination free.

### Can ON GUARD™ Base Detecting Paint be applied over existing paint?

Yes. ON GUARD™ Base Detecting Paint may be applied over existing latex coatings as long as the surfaces are clean, dry, oil, rust, dust, and contamination free. If the existing coating is glossy and/or is less than one year old, it may not have sufficient porosity to facilitate satisfactory adhesion. In such instances, scuff sand overly smooth surfaces and/or use a transition coating.

Typically, applying a latex-based coating over a solvent-based coating requires a transition coating to achieve innercoat adhesion. One transition practice used is to wipe down the solvent based coating surface with xylene or laquer thinner which makes it tacky and open and receptive to the latex based coating.

### Once applied, how long does ON GUARD™ Base Detecting Paint last?

ON GUARD™ Base Detecting Paint should last a minimum of two years interior or exterior. Under exceptionally harsh conditions, regular inspections should be conducted to assure the coating is in excellent condition. Since ON GUARD™ Base Detecting Paint was developed as a safety coating, not a protective coating, it is always good practice to assure the coating is in excellent condition. The shelf life of ON GUARD™ Base Detecting Paint is one year in the factory-sealed can at ambient temperature.

### Does ON GUARD™ Base Detecting Paint contain any heavy metals such as lead?

NO! It is all organic. There are no metals in the formula.

### Can ON GUARD™ Base Detecting Paint help with turn around time and new installations?

Absolutely! All surfaces coated with ON GUARD™ Base Detecting Paint in a new installation or during a repair period become an invaluable aid at start-up time. Each industry, and each company and plant may have different SOP's at startup time, but a good practice is to station plant personnel at sensitive areas when a product is first flowed. If there is a base/caustic leak, the BRIGHT WHITE paint will instantly turn BRILLIANT BLUE. The leak can then be isolated, repaired, neutralized, and rinsed. The process can then resume, and ON GUARD™ Base Detecting Paint will help determine if the leak is repaired properly, and warn you if there are any additional leaks.



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